

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. Contract ID Code Firm-Fixed-Price		Page 1 Of 17	
2. Amendment/Modification No. P00017		3. Effective Date 2003MAR04		4. Requisition/Purchase Req No. SEE SCHEDULE		5. Project No. (If applicable)	
6. Issued By TACOM AMSTA-AQ-ALDB LENNIE SCHWERDTFEGER (586)574-8144 WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL EMAIL: SCHWERDL@TACOM.ARMY.MIL		Code W56HZV		7. Administered By (If other than Item 6) DCMA DETROIT U.S. ARMY TANK & AUTOMOTIVE COMMAND (TACOM) ATTN: DCMAE-GJD WARREN, MI 48397-5000		Code S2305A	
				SCD C PAS NONE ADP PT HQ0337			
8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code) GENERAL DYNAMICS LAND SYSTEMS CUSTOMER SERVICE & SUPPORT COMPANY 38500 MOUND ROAD STERLING HEIGHTS, MI 48310-3200 TYPE BUSINESS: Large Business Performing in U.S.				<input type="checkbox"/>		9A. Amendment Of Solicitation No.	
				<input type="checkbox"/>		9B. Dated (See Item 11)	
				<input checked="" type="checkbox"/>		10A. Modification Of Contract/Order No. DAAE07-00-C-0027	
				<input type="checkbox"/>		10B. Dated (See Item 13) 2000JUL14	
Code 0C9L5		Facility Code					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendments: (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. Accounting And Appropriation Data (If required) ACRN: AD NET INCREASE: \$3,449,610.00							
FMS REQUIREMENT							
13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS							
KIND MOD CODE: 6 It Modifies The Contract/Order No. As Described In Item 14.							
<input type="checkbox"/>		A. This Change Order is Issued Pursuant To: The Contract/Order No. In Item 10A. The Changes Set Forth In Item 14 Are Made In					
<input type="checkbox"/>		B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).					
<input type="checkbox"/>		C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of:					
<input checked="" type="checkbox"/>		D. Other (Specify type of modification and authority) Mutual Agreement					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return _____ copies to the Issuing Office.							
14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
SEE SECOND PAGE FOR DESCRIPTION							
Contract Expiration Date: 2003DEC31							
Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. Name And Title Of Signer (Type or print)				16A. Name And Title Of Contracting Officer (Type or print) RICHARD K. KULCZYCKI KULCZYCR@TACOM.ARMY.MIL (586)574-7299			
15B. Contractor/Offeror (Signature of person authorized to sign)		15C. Date Signed		16B. United States Of America By _____ /SIGNED/ (Signature of Contracting Officer)		16C. Date Signed 2003MAR04	
NSN 7540-01-152-8070 PREVIOUS EDITIONS UNUSABLE				30-105-02		STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243	

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SECTION A - SUPPLEMENTAL INFORMATION

1. The purpose of this modification P00017 is to exercise option CLIN 0004AB in its entirety.
2. In accordance with paragraph H.18.3 option SubCLIN 0004AB is exercised in its entirety. This firm fixed price SubCLIN is funded in the amount of \$3,449,610.00. In association with exercise of this option contract paragraphs C.2.3.3.5, C.2.3.3.15, C.2.3.4.7, C.2.3.4.8 (mistakenly identified in modification P00014 as C.2.3.5.8), and C.2.3.4.11 are revised to remove the word "reserved." Paragraph F.9.17 is added identifying the performance period. Paragraph G.3.10 is added incorporating the payment schedule.
3. Three part number changes are incorporated. The affected items are Attachment 006, items 3 and 128, and Attachment 008, item 36. Also item 137, power supply 220VAC to 12VDC 35A PN BSMKPS, is added to Attachment 006 as it is part of the AVDS1790 / 6V53 engine dynamometer system but was not shipped with the dynamometer (Atch 1, Item 1). There is no price adjustment for these four items.
4. All other terms and conditions remain unchanged and in full force and effect.
5. The Government and the contractor mutually agree that all claims and obligations arising from this action are hereby satisfied.
6. As a result of this modification the total amount of the contract is increased by \$3,449,610.00 from \$13,170,042.00 to \$16,619,652.00.

*** END OF NARRATIVE A 016 ***

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ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004AB	<p>SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS</p> <p><u>SERVICES LINE ITEM</u></p> <p>NOUN: TECH ASSIST FIELD TEAM (TAFT) PRON: J517G937EH PRON AMD: 07 ACRN: AD AMS CD: URJ002 CUSTOMER ORDER NO: J51URJ02EHMO FMS CASE IDENTIFIER: MO-B-URJ</p> <p>Provide technical assistance to the RMA including OCONUS manmonths and CONUS labor IAW C.2.3.3.5, C.2.3.3.7, C.2.3.3.8, C.2.3.3.9, C.2.3.3.10, C.2.3.3.11, C.2.3.3.12, C.2.3.3.14, C.2.3.3.15, C.2.3.4.7, C.2.3.4.8, C.2.3.4.9, C.2.3.4.10 and C.2.3.4.11 during the period 1 Apr 2003 through 31 Dec 2003. The period includes 10 manmonths/mo. OCONUS at an average of \$32,318/mo. plus associated CONUS labor.</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin</p> <p><u>Deliveries or Performance</u> DLVR SCH PERF COMPL <u>REL CD</u> <u>QUANTITY</u> <u>DATE</u> 001 0 31-DEC-2001</p> <p>\$ 3,449,610.00</p>				\$ 3,449,610.00

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SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT
C.2 MAINTENANCE TECHNICAL ASSISTANCE GENERAL

C.2.1 MTA Objective General Dynamics Land Systems Customer Support and Services Company, as an independent Contractor and not as an agent of the USG, shall provide Maintenance Technical Assistance (MTA) efforts and program management for the objective of Facilitization of the United States Government/Royal Moroccan Army (USG/RMA) Tracked Vehicle Rebuild Facility (TVRF). The TVRF will be designed to conduct depot overhaul operations for a volume of approximately twenty five (25) components per year. Major tasks consist of the following:

Task	Paragraph
Program Management	C.3
Material Acquisition	C.4
Facilitization	C.5
Process Development	C.6
Design, Development, Implementation of Training	C.7
Technical Inspection	C.8
Feedback and Analysis	C.9
Property Management	C.10
Employment of Personnel and Personnel Support Services	C.11
Assumptions	C.12

C.2.2 Program Concept: The intention of this program is to assist the RMA in the activation of the RMA Tracked Vehicle Rebuild Facility (TVRF) as a fully operational maintenance and repair organization capable of performing depot level overhaul of designated vehicles and associated components. This capability will be achieved by initiating a program of discrete increments consisting of tasks that will develop the material and operational infrastructure of the TVRF within specified funding and time constraints. Each increment is designed to assist the RMA to activate the overhaul capability of a designated component or assembly until the TVRF can overhaul the entire vehicle system. Increments will consist of the following work elements:

- C.2.2.1 Procurement of tooling and equipment required to perform DS/GS/ and depot level maintenance and repairs as designated in appropriate Technical Manuals, DMWRs and machine operators manuals listed in Attachment 005.
- C.2.2.2 Procurement of repair parts and supplies required to accomplish overhaul of designated items.
- C.2.2.3 Activation of machinery and plant equipment necessary to support planned overhaul operations.
- C.2.2.4 Development of the processes required to accomplish the designated overhaul.
- C.2.2.5 Design, development, and implementation of training of RMA cadre in the use of equipment and overhaul processes.
- C.2.2.6 Establishment of feedback systems to monitor and provide continuous improvement of, training, material requirements, and processes. This process will be used to provide technical advice and assistance to the RMA as production and overhaul operations begin on each designated item.
- C.2.2.7 Analysis and planning of requirements for the subsequent increments required to expand the TVRF capability.
- C.2.2.8 (Reserved) Analysis and design of information technology systems to support inventory and production control requirements.

C.2.3 Work Increments: Work increments consist of discrete activities structured to provide support to the activation of the TVRF by the sequential implementation of work elements that are designed as tasks to support designated components and assemblies. Work increments and elements can be combined or extended as funding and operational requirements dictate. A matrix located in Attachment 004 provides an overall program concept and identifies each component to be overhauled, the work elements to be accomplished, and the increment in which they will be conducted. If the USG alters the work content, then the contractor will be entitled to an equitable adjustment for any changes that have a cost impact.

- C.2.3.1 First Work Increment The first work increment includes procurement and delivery to the Moroccan freight forwarder the tools, test equipment and plant equipment required for the overhaul of M60A1/M48A5 Engines (AVDS 1790).
 - C.2.3.1.1 The contractor shall procure and deliver under SubCLIN 0001AB the special tools and plant equipment specified in Attachment 001 to support the overhaul of AVDS 1790 engine at the Tracked Vehicle Repair Facility (TVRF) in Morocco. The performance period for completion of material delivery will be set forth at time of award in Section F, Delivery and Performance Schedule.
 - C.2.3.1.2 SERVICE ITEMS The following four items listed in Attachment 001 with quantities of zero are in country in Morocco and are to be inspected and repaired by the contractor under SubCLIN 0001AB If one or more of these items are found to be non-repairable, the contractor will credit the repair cost shown below (which includes indirect costs and profit) and will propose replacement cost.

Item No.	Description	Repair Cost
2	Stand, Generator / Starter Test	\$37,769
10	Test Stand, Injector Advance Unit	\$ 1,888
23	Test Stand, Fuel Injection Pump	\$ 944
25	Lathe, Engine	\$ 944

- C.2.3.2 Second Work Increment: The second work increment includes the following work elements:
 - C.2.3.2.1 Procurement and the delivery to the Moroccan freight forwarder of Overhaul parts for 1790 Engine Part A under SubCLIN 0001AC and as listed in Attachment 003 and Part B under SubCLIN 0001AH and as listed in Attachment 010.

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C.2.3.2.2 Technical assistance to the RMA for the installation of special tools and test equipment procured in the 1st Increment under SubCLIN 0001AB and listed in Attachment 001, required for the overhaul of M60A1/M48A5 Engines (AVDS 1790), except item 1 (Dynamometer, 1790 Engine), and item 11 (Parts power washer) will not be installed by the RMA but by the contractor or its subcontractor with the assistance of the RMA.

C.2.3.2.3 Provide technical assistance to the RMA for the installation of additional RMA-provided plant equipment as listed in Attachment 002.

C.2.3.2.4 Provide site survey for the reengineering of the Dynamometer and other test rooms and facilities in the TVRF. The contractor shall record the results of the reengineering of the Dynamometer room in a contractor format report. Report will detail requirements for Dynamometer room to accommodate two dynamometers.

C.2.3.2.5 Provide start-up effort for establishing and in-country team in Morocco under SubCLIN 0003AB to include, but not limited to, obtain and renovate office space and living quarters, purchase office equipment and vehicles, recruitment and deployment for increment 2.

C.2.3.3 Third Work Increment: The third work increment includes the following work elements:

C.2.3.3.1 Procurement and the delivery to the Moroccan freight forwarder special tools and test equipment required for the overhaul of M113 Engine (6V53) IAW SubCLIN 0001AD and as listed in Attachment 006.

C.2.3.3.2 Procurement and delivery to the Moroccan freight forwarder remainder of the AVDS 1790 overhaul parts listed in Attachment 003.

C.2.3.3.3 Procurement and delivery to the Moroccan freight forwarder of Overhaul parts for 6V53 Engines IAW SubCLIN 0001AE and as listed in Attachment 007.

C.2.3.3.4 Procurement and delivery to the Moroccan freight forwarder of Mandatory Replacement Parts for 1790 Engines IAW SubCLIN 0001AF and as listed in Attachment 008.

C.2.3.3.5 Technical assistance to the RMA for the installation of special tools and test equipment listed in Attachment 006, required for the overhaul of 6V53 Engines IAW C.5.

C.2.3.3.6 (reserved) Provide technical assistance to the RMA for the installation of additional RMA-provided plant equipment listed in Attachment TBD IAW C.5.

C.2.3.3.7 Design and development of the 1790 engine overhaul process IAW C.6.

C.2.3.3.8 Provide technical oversight of the modification of designated TVRF rooms to accommodate Plant equipment.

C.2.3.3.9 Design of a Facilities Preventative Maintenance Program for plant equipment installed in the TVRF.

C.2.3.3.10 Design, development, and implementation of training of the RMA cadre in the use of tools, equipment and overhaul processes for the 1790 engine. (Less machinist reclamation skills will be trained in a subsequent increment following analysis of required processes and evaluation of equipment on hand.) IAW C.7

C.2.3.3.11 Conduct technical Inspections of unserviceable/repairable AVDS 1790 engines on hand at the RMA supply depot to determine level of repair and select overhaul candidates, establish priorities, and production plan rates IAW C.8.

C.2.3.3.12 Collect training, quality and performance data on current operations and provide to RMA staff for recommended improvements.

C.2.3.3.13 Under SubCLIN 003AG Contractor shall provide one consultant for one week of technical consulting services to the TVRF for the renovation of the engine dynamometer room. During said week, consultant will evaluate the work in process and recommend any changes and/or additions necessary for the installation of the 1790 engine dynamometer system. Consultant shall also provide recommendations for the renovation of the room proposed to house the Hicklin EDECT-300 transmission dynamometer.

C.2.3.3.13.1 Under SubCLIN 003AH Contractor shall provide one consultant for one week of technical consulting services to the TVRF following the renovation of the engine dynamometer room. During said week, consultant will evaluate the work completed and will recommend any changes and/or additions necessary for the installation of the 1790 engine dynamometer system. Consultant shall otherwise advise the FAR as to the acceptability of the renovations to said room.

C.2.3.3.14 Provide requirements analysis and planning for 4th Increment IAW C.5.

C.2.3.3.15 Logistics services for the AVDS 1790 engine IAW C.6.10.

C.2.3.3.16 Procurement and delivery to the Moroccan freight forwarder of AVDS 1790 Plant Equipment, Part B IAW SubCLIN 0001AG and as listed in Attachment 009.

C.2.3.4 Fourth Work Increment: The fourth work increment includes the following work elements:

C.2.3.4.1 (reserved) Procurement and the delivery to the Moroccan freight forwarder special tools and test equipment required for the overhaul of M60A1/M48A5 final drives IAW SubCLIN TBD and as listed in Attachment TBD.

C.2.3.4.2 (reserved) Procurement and the delivery to the Moroccan freight forwarder of Overhaul parts for M60A1/M48A5 Transmissions CD850 IAW SubCLIN TBD and as listed in Attachment TBD.

C.2.3.4.3 (reserved) Technical assistance to the RMA for the installation of special tools and test equipment procured in the 3rd Increment and listed in Attachment TBD, required for the overhaul of CD850 transmissions.

C.2.3.4.4 (reserved) Provide technical assistance to the RMA for the installation of additional RMA-provided plant equipment listed in Attachment TBD.

C.2.3.4.5 (reserved) Design and development of the 6V53 Engine overhaul process.

C.2.3.4.6 (reserved) Design and development of the CD850 Transmission overhaul process.

C.2.3.4.7 Design, development, and implementation of training of RMA cadre in the use of tools, equipment and overhaul processes for the 6V53 engine.

C.2.3.4.8 Conduct technical Inspections of unserviceable/repairable 6V53 engines on hand at the RMA supply depot to determine level of repair and select overhaul candidates, establish priorities, and production plan rates.

C.2.3.4.9 Expansion of the facilities preventative maintenance program for additionally installed equipment.

C.2.3.4.10 Collect training, quality and performance data on current operations and provide to RMA staff for recommended improvements.

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Provide technical advice and assistance to production operations.

C.2.3.4.11 Provide requirements analysis and planning for 5th Increment.

C.2.3.4.12 (reserved) Procurement and the delivery to the Moroccan freight forwarder special tools and test equipment required for the overhaul of M60A1/M48A5 Transmissions (CD 850) IAW SubCLIN TBD and as listed in Attachment TBD.

C.2.3.5 Fifth Work Increment: (Reserved) The fifth work increment includes the following work elements:

C.2.3.5.1 Procurement and the delivery to the Moroccan freight forwarder special tools and test equipment required for the overhaul of M113A1 T100-1 transmissions, control differentials, M113A1 Transfer Cases and M113A1 Final Drives IAW SubCLIN TBD and as listed in Attachment TBD.

C.2.3.5.2 Procurement and the delivery to the Moroccan freight forwarder of Overhaul parts for M60A1/M48A5 final drives IAW SubCLIN TBD and as listed in Attachment TBD.

C.2.3.5.3 Technical assistance to the RMA for the installation of special tools and test equipment procured in the 4th Increment and listed in Attachment TBD, required for the overhaul of M60A1/M48A5 final drives.

C.2.3.5.4 Provide technical assistance to the RMA for the installation of additional RMA-provided plant equipment listed in Attachment TBD.

C.2.3.5.5 Design and development of the M60A1/M48A5 final drives overhaul process.

C.2.3.5.6 Design, development, and implementation of training of RMA cadre in the use of tools, equipment and overhaul processes for the M60A1/M48A5 CD850 transmission.

C.2.3.5.7 Conduct technical Inspections of unserviceable/repairable M60A1/M48A1 CD 850 transmissions on hand at the RMA supply depot to determine level of repair and select overhaul candidates, establish priorities, and production plan rates.

C.2.3.5.8 Expansion of the facilities preventative maintenance program for additionally installed equipment.

C.2.3.5.9 Collect training, quality and performance data on current operations and provide to RMA staff for recommended improvements. Provide technical advice and assistance to production operations.

C.2.3.5.10 Provide requirements analysis and planning for 6th Increment.

C.2.3.6 Sixth Work Increment: (Reserved) The sixth work increment includes the following work elements:

C.2.3.6.1 Procurement and the delivery to the Moroccan freight forwarder special tools and test equipment required for the overhaul of M48A5 and M60A1 Fire Control components IAW SubCLIN TBD and as listed in Attachment TBD.

C.2.3.6.2 Procurement and the delivery to the Moroccan freight forwarder overhaul parts for M113A1 TX100-1 transmissions, control differentials, transfer cases and final drives IAW SubCLIN TBD and as listed in Attachment TBD.

C.2.3.6.3 Technical assistance to the RMA for the installation of special tools and test equipment procured in the 5th Increment and listed in Attachment TBD, required for the overhaul M113A1 TX100-1 transmissions, control differentials, transfer cases and final drives.

C.2.3.6.4 Provide technical assistance to the RMA for the installation of additional RMA-provided plant equipment listed in Attachment TBD.

C.2.3.6.5 Design and development of the M113A1 TX100-1 transmissions, control differential, transfer case and final drive overhaul process.

C.2.3.6.6 Design, development, and implementation of training of RMA cadre in the use of tools, equipment and overhaul processes for the M60A1/M48A5 final drives.

C.2.3.6.7 Conduct technical Inspections of M60A1/M48A5 final drives on hand at the RMA supply depot to determine repair candidates, priorities, and production plan.

C.2.3.6.8 Extension of the facilities preventative maintenance program for additionally installed equipment.

C.2.3.6.9 Collect training, quality and performance data on current operations and provide to RMA staff for recommended improvements. Provide technical advice and assistance to production operations.

C.2.3.6.10 Provide requirements analysis and planning for 7th Increment.

C.2.3.7 Seventh Work Increment: (Reserved) The seventh work increment includes the following work elements:

C.2.3.7.1 Procurement and the delivery to the Moroccan freight forwarder special tools and test equipment required for the overhaul of M48A5 and M60A1 Gun Turret Drive and Gun Mount components IAW SubCLIN TBD and as listed in Attachment TBD.

C.2.3.7.2 Procurement and the delivery to the Moroccan freight forwarder of overhaul parts for M60A1/M48A5 fire control IAW SubCLIN TBD and as listed in Attachment TBD.

C.2.3.7.3 Technical assistance to the RMA for the installation of special tools and test equipment procured in the 6th Increment and listed in Attachment TBD, required for the overhaul of fire control components.

C.2.3.7.4 Provide technical assistance to the RMA for the installation of additional RMA-provided plant equipment listed in Attachment TBD.

C.2.3.7.5 Design and development of the M48A5/M60A1 Fire control overhaul process.

C.2.3.7.6 Design, development, and implementation of training of RMA cadre in the use of tools, equipment and overhaul processes for the M113A1 TX100-1 transmission, control differential, transfer case and final drive.

C.2.3.7.7 Conduct technical Inspections of M113A1 TX100-1 transmissions, control differentials, transfer cases and final drives on hand at the RMA supply depot to determine repair candidates, priorities, and production plan.

C.2.3.7.8 Extension of the facilities preventative maintenance program for additionally installed equipment.

C.2.3.7.9 Collect training, quality and performance data on current operations and provide to RMA staff for recommended improvements. Provide technical advice and assistance to production operations.

C.2.3.7.10 Provide requirements analysis and planning for 8th Increment.

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C.2.3.8 Eighth Work Increment: (Reserved) The eighth work increment includes the following work elements:

C.2.3.8.1 Procurement and the delivery to the Moroccan freight forwarder special tools and test equipment required for the overhaul of additionally identified systems as required IAW SubCLIN TBD and as listed in Attachment TBD.

C.2.3.8.2 Procurement and the delivery to the Moroccan freight forwarder of overhaul parts for M60A1/M48A5 gun turret drives and gun mount components IAW SubCLIN TBD and as listed in Attachment TBD.

C.2.3.8.3 Technical assistance to the RMA for the installation of special tools and test equipment procured in the 7th Increment and listed in Attachment TBD, required for the overhaul of M60A1/M48A5 gun turret drive and gun mount components.

C.2.3.8.4 Provide technical assistance to the RMA for the installation of additional RMA-provided plant equipment listed in Attachment TBD.

C.2.3.8.5 Design of the overhaul process for the M60A1/M48A5 gun turret drive and gun mount components.

C.2.3.8.6 Design, development, and implementation of training of RMA cadre in the use of tools, equipment and overhaul processes for the M60A1/M48A5 fire control components.

C.2.3.8.7 Conduct technical inspections of fire control systems on hand at the RMA supply depot to determine repair candidates, priorities, and production plan.

C.2.3.8.8 Extension of the facilities preventative maintenance program for additionally installed equipment.

C.2.3.8.9 Collect training, quality and performance data on current operations and provide to RMA staff for recommended improvements. Provide technical advice and assistance to production operations.

C.2.3.8.10 Provide requirements analysis and planning for 9th Increment.

C.2.3.9 Ninth Work Increment (Reserved) The ninth work increment includes the following work elements:

C.2.3.9.1 Procurement and the delivery to the Moroccan freight forwarder special tools and test equipment required for the overhaul of additional components as required IAW SubCLIN TBD and as listed in Attachment TBD.

C.2.3.9.2 Technical assistance to the RMA for the installation of special tools and test equipment procured in the 8th Increment and as listed in Attachment TBD.

C.2.3.9.3 Provide technical assistance to the RMA for the installation of additional RMA-provided plant equipment as listed in Attachment TBD.

C.2.3.9.4 Design of additional required overhaul process.

C.2.3.9.5 Design, development, and implementation of training of RMA cadre in the use of tools, equipment and overhaul processes for M60A1/M48A5 gun turret drives and gun mount components.

C.2.3.9.6 Conduct technical inspections of M60A1/M48A5 gun turret drives and gun mount components at the RMA supply depot to determine repair candidates, priorities, and production plan.

C.2.3.9.7 Conduct technical inspections of additionally designated systems on hand at the RMA supply depot to determine repair candidates, priorities, and production plan.

C.2.3.9.8 Extension of the facilities preventative maintenance program for additionally installed equipment.

C.2.3.9.9 Collect training, quality and performance data on current operations and provide to RMA staff for recommended improvements. Provide technical advice and assistance to production operations.

C.2.3.9.10 Provide requirements analysis and planning for any additional Increment.

C.2.3.10 Tenth Work Increment (Reserved)

C.3 PROGRAM MANAGEMENT: The Contractor shall provide the support and effort necessary to participate as part of the USG/RMA/GDLS CSSC Program Management Team. The functions of the Program Management Team will be to participate in program reviews, program scheduling, as well as identifying and resolving of program related problems.

C.3.1 Program Interface: The Contractor shall be responsible for coordination of TVRF program schedules and requirements between the RMA and the USG. The Contractor shall coordinate designated subcontractor efforts, pertaining to the TVRF Program in order to insure the compliance to program plans, objectives, and schedules.

C.3.2 Plans and Management: The Master Program Plan and Schedule shall serve as a baseline objective for the Work Breakdown Structure (WBS). The WBS will be:

Program Management

Technical Support and Training Support

C.3.3 Reporting: The Contractor shall report to the USG the status of program costs and performance on cost reimbursible CLINs.

C.3.4 Program Plans, Schedules and Reviews: The Contractor shall provide the efforts necessary to conduct planning and to apply and manage its resources to ensure that program objectives and milestones are successfully completed. The Contractor shall develop and implement program plans to identify and integrate all tasks, task schedules and budget for all functions. The Contractor shall establish and maintain schedules and administrative controls to measure and report performance for all functions. The Contractor will participate in program reviews. Agendas, including charts, will be prepared in advance.

C.3.5 Proposal Preparation: If and when the Contracting Officer requests a proposal, the Contractor is authorized to bill, as a direct cost under this contract, the bid and proposal costs associated with the development of proposals.

C.3.6 Review and Access: The USG shall have the right to the following:

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C.3.6.1 Review, both in-process and completed project effort and documentation including, equipment identification, definition and validation/verification efforts, training, engineering support to production/technical assistance and analysis.

C.3.6.2 Meet informally with Contractor personnel for purposes of obtaining information, data, program status, and plans and schedules.

C.3.6.3 Witness the validation and verification of installed equipment and RMA personnel overhaul skills

C.3.7 Meetings: The Contractor shall attend meetings with the U.S. Government suppliers and other responsible parties to ensure compliance with the Moroccan TVRF Program objectives.

C.4 MATERIAL ACQUISITION

C.4.1 Special Tools, Test Equipment, and Plant Equipment shall include the preparation of subcontracts and/or purchase orders between the Contractor and the vendor(s) and, when required, the supervision of vendor installation.

C.4.1.2 Design Drawings/Specifications: When required, the Contractor shall prepare specifications or design drawings for equipment/machinery, special tools and special test equipment required for the facilitization of the TVRF that was purchased to a performance specification developed under this program.

C.4.1.3 Post-Procurement Follow-up: Upon the award of subcontracts and/or purchase orders, the Contractor shall provide on-going interface with suppliers to ensure timely deliveries and shall coordinate and track shipments.

C.4.1.4 Equipment Tryout: For major items of equipment, after completion of the equipment build, the Contractor shall conduct a prove-out of the equipment at the manufacturer's or supplier's facility for conformity to the applicable specifications for the equipment and packaging requirements. The USG reserves the right to witness the prove-outs. In addition, when required, the Contractor shall conduct a tryout of each piece of equipment at the TVRF to ensure conformity to the applicable specifications for the equipment.

C.4.1.5 Equipment Installation/Supervision: The original equipment manufacturer or supplier, the Contractor or Moroccan personnel may install the equipment. The analysis portion of each increment will involve the contractor's identification of equipment requiring installation and recommendation for manner in which it should be installed. The government reserves the right to participate in final acceptance inspections.

C.4.2. Repair Parts and Supplies shall include the preparation of subcontracts and/or purchase orders between the Contractor and the vendor(s) and the supervision of vendor installation and tryout where applicable.

C.4.3 Post-Procurement Follow-up: Upon the award of subcontracts and/or purchase orders, the Contractor shall provide on-going interface with suppliers to ensure timely deliveries and shall coordinate and track shipments .

C.5 FACILITIZATION

C.5.1 Installation of contractor procured equipment: Contractor will provide the RMA with technical advice and assistance installing and functionally testing plant equipment procured for the TVRF. The RMA will provide the tools, equipment, labor and Material Handling Equipment (MHE) necessary to transport and install equipment in the designated locations. The RMA shall provide the expendable and consumable supplies required to activate and operate the equipment. When required, the contractor shall supervise the equipment manufacturer's representative in the installation of the equipment in those cases when installation is included as a subcontract in the procurement of the item.

C.5.2 Installation of RMA provided equipment: The contractor shall provide technical advice and assistance to the RMA in installing equipment currently on hand in RMA stores (stockage). Such equipment shall be identified by the RMA and included in the analysis portion of each increment of activation. The RMA will provide the tools, equipment, labor and Material Handling Equipment (MHE) necessary to transport and install equipment in the designated locations. The RMA shall provide the expendable and consumable supplies, repair parts, and documentation required to activate and operate the equipment. The contractor shall assist in functional testing of the equipment and identification of faults and missing items. The contractor shall, when possible, contact the equipment manufacturer to obtain information necessary to return the item to a serviceable condition. The contractor shall assist the RMA in developing plans to repair designated equipment.

C.5.3 Facilities Layout and Preventative Maintenance Plan The Contractor shall assist RMA personnel in the preparation of equipment layout requirements for the Moroccan TVRF program and assist in the development of plans and guidelines for equipment installation. The contractor shall develop a facilities preventative maintenance plan for installed equipment based upon the manufacture's guidelines. The contractor will develop recommended parts and expendable/consumable lists for equipment and provide to the RMA as part of the analysis portion of each increment. These plans and lists will be updated in each increment as additional equipment is installed.

C.5.4 Facilities Reengineering Planning. The Contractor will provide recommendations for improvements and modifications to the TVRF as required. If reengineering and construction is required, the Contractor may engage and supervise subcontractors in the preparation of design and drawings and in the conduct of these modifications. Such subcontracts will be considered as additions to this contract and the Contractor entitled to an equitable adjustment for changes causing a cost impact.

C.6 PROCESS DEVELOPMENT

C.6.1 Task Analysis: The contractor shall develop the process documentation required to conduct the tasks and overhaul inspection procedures (OIP) necessary to perform the appropriate Direct Support/General Support (DS/GS) and Depot Maintenance Work Requirements (DMWRs) on the designated assemblies and components in each program increment. This documentation will utilize USG provided Technical

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Manuals (-34 level) and DMWRs to identify discrete tasks and inspections necessary to repair/overhaul the subject item.

C.6.2 Process Sheets: Process sheets will be developed for subtasks required to perform the tasks identified in C.6.1. Generally, process sheets will be utilized for tasks identified as DS/GS level operations in the -34 level TM. When available, the contractor will include known engineering changes to the process sheets that have not been included in the Technical Manual.

C.6.3 Inspection Standards: The contractor shall develop Inspection Standards for tasks required to support the overhaul inspection procedures (OIP) identified in C.6.1. Generally, these inspection standards shall reflect the standards identified in the appropriate DMWR. When available, the contractor will include known engineering changes to the inspection standards that have not been included in the DMWR. The Inspection Standards will be designed to allow the operator to be his own quality inspector.

C.6.4 Work Instructions: The contractor shall prepare Work Instructions for the operation of Test, Measurement and Diagnostic (TMDE) and plant equipment provided under this case and identified in the analysis phase of each Increment for the current Increment. These Work Instructions shall be based upon the manufacturer's manual and focused upon those tasks required to overhaul the subject assembly or component.

C.6.5 Change Management (Reserved): The contractor shall develop a procedure for the RMA to have the capability to change process sheets, inspection standards, and work instructions.

C.6.6 Production Control Operations: (Reserved)

C.6.7 Automation Support: (Reserved)

C.6.8 Configuration Management (Reserved): The Contractor shall assist the RMA in developing a Configuration Management Process of the tracked vehicle components maintain control over the configuration of the equipment, processes and procedures used in the TVRF

C.6.9 Calibration: (Reserved)

C.6.10 Material Inventory Control, Logistics. The contractor shall:

C.6.10.1. Develop bills of material for overhaul groups for subject major assemblies and subassemblies planned for overhaul.

C.6.10.2. Design a demand history system to develop Moroccan overhaul factors for the TVRF and guide the FAR in its implementation.

C.6.10.3. Research logistical data and provide cross-references for part numbers and federal stock numbers.

C.6.10.4. Provide expert advice to the FAR in planning and scheduling the material requirements, mandatory replacement parts, repairable items, and provisioning to support production plans.

C.6.10.5. Develop and provide to the FAR recommendations for future material procurements of repair parts, tools, and plant equipment.

C.7 DESIGN, DEVELOPMENT, AND IMPLEMENTATION OF TRAINING

C.7.1 Training, General: The Contractor will establish a training program that provides the RMA with a systematic approach to become a progressive, flexible, and high performing organization. This program will ensure that training standards reflect the performance standards established in the Process Sheets, Overhaul Inspection Procedures, and Work Instructions that were developed to support the TVRF production program. The objective is to transition the RMA staff into the skill levels required to perform the designated tasks, and to establish a training system that provides the capability for the TVRF to become a learning organization that is able to implement continuous improvement.

C.7.2 Requirements Analysis: The contractor shall perform a job analysis and analyze the tasks required to accomplish the overhaul of the designated equipment in each increment. These tasks will be identified based upon the Process Sheets, Overhaul Inspection Procedures, and Work Instructions developed IAW C.6 during the previous Increment for the subject equipment.

C.7.2 Design: The Contractor shall determine the tasks to be trained and the method and location where and when they will be trained. The contractor shall determine the manner in which the tasks are to be trained such as conference, demonstration, practical exercise, on the job (OJT), self-paced, or training aid. The emphasis will be on practical exercises requiring hands on student participation during approximately 80% of available training time. The contractor will design Training Objectives for each task consisting of the Task Statement, the Conditions under which the task will be performed, and the Standard to which the task must be performed. The Contractor will conduct training in English. The design of training will reflect the use of interpreters provided by the RMA and utilize simplified, unambiguous language and terminology. The Contractor will determine the equipment, tools, repair parts, MHE, utilities requirements, technical documentation, TMDE, expendable and consumable supplies, and classroom requirements. The RMA will provide these items for each class. If the RMA cannot provide the required materials, or time is unavailable to complete all tasks, work-around will be developed that are mutually agreeable to both the RMA and the Contractor.

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C.7.3 Development: The Contractor will determine how the training objectives will be taught, establish units of instruction, and produce the instructional materials. Instructional materials will consist of Training and Evaluation Outlines (T&EO) and the appropriate Process Sheet, Overhaul Inspection Procedure, and/or Work Instruction to be trained. Emphasis will be to utilize the actual technical document that is required to perform the task, as the core of the instructional materials and as such will become the student guide. The T&EO will consist of the following elements:

- 1.Lesson Name.
- 2.Objectives Contained Within a Lesson.
- 3.Content of the Lesson. (Summary of student activities, instructional strategy, and evaluation method).
- 4.Prerequisites
- 5.Methods of Instruction.
 - Demonstration.
 - Practical Exercise (PE). Emphasis will be placed on PE's whenever possible to maximize hands on experience.
 - On the Job.
 - Lecture.
 - Self-Paced or Programmed Instruction.
- 6.Class Duration
- 7.Media and Equipment.
- 8.Materials and Equipment Requirements.

C.7.4 Implementation of Training: (reserved) This consists of the actual instruction and will consist in the preparation to instruct, the conduct of the instruction, measuring student achievement, and counseling of students. The contractor will ensure that adequate time is established for the instructor to prepare and set up his class and to practice with his interpreter. In general, three hours of preparation are required for each hour of instruction. Emphasis is to be upon student performance and instructors will evaluate the student's ability to perform the subject tasks and ensure his ability to perform to standard before proceeding to the next task. Instructors will assist students in the identification of their training needs and schedule time for remedial training as required. Normal class size will be 6 to 8 students and will not exceed 12.

C.8 TECHNICAL INSPECTION: The contractor shall perform a technical inspection of designated assemblies and components to determine, prior to the beginning of overhaul activities, the extent of repairs necessary to return the engine to a serviceable condition. These inspections will be accomplished with the available documentation (odometer reading, logbook entry, work orders, discrepancy tags etc.), tooling and test equipment available at the time and these inspections are not intended to replace the pre-shop analysis in the overhaul process. The units shall be visually inspected for metal particles in the oil, outside leaks, missing parts, or other external problems that may be repaired and returned to service without resort to an overhaul. These inspections will be used to determine a baseline for overhaul candidates, priority of repair, repair parts and production planning. The inspection and maintenance principle to be used is Inspect and Repair Only as Necessary (IROAN).

C.9 FEEDBACK AND ANALYSIS (Reserved)

C.9.1 Objective: The objective of feedback and analysis is to ensure that processes, training, equipment, and support remains flexible and continuously responsive to the requirements of the TVRF. The Contractor will establish a feedback system to evaluate the ability of training to meet established performance standards, the capability of the material infrastructure to support production operations and the adequacy of processes to support the quality standards. The Contractor will provide written recommendations for improvements in training, material and processes to be included or addressed in each subsequent increment.

C.9.1.2 Training Feedback and Analysis: The contractor will establish an evaluation system that will collect data on student performance, instructor effectiveness, and revision requirements. This data will be entered into the feedback portion for each increment to determine improvement and/or additional requirements for the subsequent increment.

C.9.2 Material Requirements Feedback and Analysis:

C.9.2.1 Determination of Material Requirements: The Contractor shall determine the material requirements needed to support the subsequent increments of the program. This will be based upon analysis of existing technical documentation and an analysis of RMA on hand materials. These requirements will be provided to the RMA as recommendations to be included on the subsequent procurement actions.

C.9.2.2 Analysis of equipment operation: The Contractor shall evaluate the operation of equipment procured under this case for both its ability to perform to manufacture's specifications and provide support to the required processes. If the equipment does not perform to required specification, Contractor will provide corrective actions. There is no expressed or implied Contractor warranty provisions applicable to this equipment.

C.9.2.3 Analysis of RMA on hand equipment: Contractor will provide technical advice and assistance to the RMA in the functional testing and operation of on-hand equipment to be used in the TCRF.

C.9.3 Processes Feedback and Analysis: (Reserved) Validation/Verification (Val/Ver) is the process by which documentation and processes are analyzed to demonstrate the successful implementation of the maintenance capability of the TVRF. This will be accomplished by the Contractor providing technical advice and assistance to the TVRF staff as they initiate overhaul production operations following the training program.

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C.9.3.1 The Contractor shall establish a systematic methodology for Val/Ver. The methodology shall ensure the required standards of performance are achieved. If the standards are not achieved, the Contractor shall provide the RMA with recommendations for improvements to attain standards.

C.9.3.2 The processes, documentation, and facilities equipment delivered in each work increment will undergo Val/Ver during the implementation of the production operations.

C.9.3.3 When practicable, Val/Ver of the processes and documentation will occur simultaneously with the conduct of training. The process documentation itself will for the core of the training material used to train RMA personnel.

C.10 PROPERTY MANAGEMENT

C.10.1 Government or RMA Property

C.10.1.1 U.S. laws apply and any actions shall take place in U.S. Courts.

C.10.1.2 RMA is responsible for general negligence, which includes all not covered by contractor responsibilities in C.10.1.2.3 below.

C.10.1.2.1 The term "Contractor's managerial personnel," as used in this paragraph C.10.1.2, means the Contractor's directors, officers, and any of the Contractor's managers, superintendents, or equivalent representatives who have supervision or direction of (i) All or substantially all of the Contractor's business; (ii) All or substantially all of the Contractor's operation at any one plant or separate location at which the contract is being performed; or (iii) A separate and complete major industrial operation connected with performing this contract.

C.10.1.2.2 The Contractor shall not be liable for loss or destruction of, or damage to, the RMA property provided under this contract except as provided in subparagraph C.10.1.2.3 below.

C.10.1.2.3 The Contractor shall be responsible for loss or destruction of, or damage to, the RMA property provided under this contract (including expenses incidental to such loss, destruction, or damage)(i) That results from a risk expressly required to be insured under this contract, but only to the extent of the insurance required to be purchased and maintained, or to the extent of insurance actually purchased and maintained, whichever is greater; (ii) That results from a risk that is in fact covered by insurance or for which the Contractor is otherwise reimbursed, but only to the extent of such insurance or reimbursement; (iii) For which the Contractor is otherwise responsible under the express terms of this contract; (iv) That results from willful misconduct or lack of good faith on the part of the Contractor's managerial personnel.

C.10.2 Availability of RMA property.

C.10.2.1 The Contracting Officer may, by written notice, (i) fail to provide some or all, or reduce stated quantities, of RMA-furnished property provided or to be provided under this contract, or (ii) substitute other RMA-furnished property for the property to be provided by the RMA, or to be acquired by the Contractor for the RMA, under this contract. The Contractor shall promptly take such action as the Contracting Officer may direct regarding the removal, shipment, or disposal of the property covered by such notice.

C.10.2.2 Upon the Contractor's written request, the Contracting Officer shall make an equitable adjustment to the contract in accordance with the changes clause, 52.243-1, if the RMA has agreed make the property available as listed in the Attachments for performing this contract and there is any i) Decrease or substitution in this property ; or (ii) Withdrawal of authority to use this property.

C.10.3 Property turn-over.

C.10.3.1 For planning purposes, Contractor needs a 30 day notice when contract is complete.

C.10.3.2 At end of contract, Contractor will make a list of property. RMA has 30 days prior to contract completion to make arrangements to take possession. At the end of the 30 days. property may be disposed or left in place.

C.11 EMPLOYMENT OF PERSONNEL AND PERSONNEL SUPPORT SERVICES

Contractor shall provide for all recruiting, employment, mobilization and in-country Personnel Support Services (PSS) for its U.S. citizen personnel. The RMA shall provide sponsorship and cooperative assistance in obtaining visas, work permits, customs clearances and any other documentation required by the Government of Morocco. PSS includes, but is not limited to, mobilization and demobilization, transportation, housing, health care, driver's licenses, check cashing, mail and package, legal services, translations and registrations, dependent support, import and export of personal effects, etc. Contractor will have APO privileges.

C.12 ASSUMPTIONS

1.The RMA will provide GDLS CSSC with the planned component mix.

2.Certain items of equipment owned by the RMA are already available at the TVRF. This equipment, listed in Attachment 002, including any documentation available, shall be provided to the Contractor for installation and/or use in the TVRF. Repairs to this equipment will be the responsibility of the RMA

3.The M60A1 in Morocco does not have the Add on Stabilization (AOS) system; therefore, AOS support equipment is not included.

4.M48A5 and the M60A1 processes will be combined to take advantage of commonality between components where feasible.

5.GDLS CSSC will utilize existing USG overhaul processes, tailored to the RMA mix/selection of DS/GS and depot tasks.

6.The RMA will provide cranes, lifts and material handling equipment required for the maintenance of tracked vehicle components.

7.Air, water, utilities, special foundations and electrical drops will be provided by the RMA in accordance with the equipment requirements. The contractor will not provide any utilities or building modifications under this contract. The RMA will provide MHE, labor and hook-up necessary to install equipment unless specifically designated as a Contractor responsibility in each increment.

8.Morocco will provide 2 copies of the Technical Manuals (TM's) and Depot Maintenance Work Requirements (DMWRs) listed in Attachment 005 relevant to the subject vehicles as required by the Master Schedule. For obsolete or out of publication manuals the USG will

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attempt to provide copies.

9.All documentation and training will be delivered in English.

10.GDLS CSSC will provide in-country training for the processes that are peculiar to the subject components. The RMA will be responsible for providing common and trade skills, including, but limited to, welding, machining, non-destructive testing and dimensional inspection.

11.All training will be conducted in English. The RMA will provide workforce personnel with basic technical and mechanical skills relevant to the task. Workforce will have current journeyman level skills, meaning that he is capable of performing maintenance and repair tasks using appropriate tools and documentation and without direct supervision and be capable of working with SAE standard measurements. Welders will be certified by the RMA to be able to conduct required MIG/TIG welds required by the Quality standards.

12.The RMA will provide M48A5, M60A1 and M113A1 components for overhaul in accordance with the agreed upon schedule to support the validation/verification and training for the RMA.

13.The RMA will provide office space and utilities. The contractor will provide office machines, supplies and office furniture at the site office for GDLS CSSC use. RMA will provide western style sanitary facilities for the contractor.

14.International phone lines will be made available to GDLS CSSC at the site office. GDLS CSSC will assume the cost of the international calls.

15.The RMA will provide one each of those components selected for the overhaul operations at the time required as agreed to in the training schedule.

16.The RMA will provide GDLS CSSC with the quantity of engines, transmissions, main guns and fire control systems to conduct test runs as agreed to in the master schedule.

17.GDLS CSSC will procure mandatory replacement parts and repair parts to support the depot load IAW applicable contract attachments. The RMA will provide the spares and repair parts for the minor repair of engines that are not listed in Attachment 003 and specified in the Technical Inspections included at C.8.

18. The RMA will provide expendable tools, materials including, but not limited to, drill bits, cutting wheels, consumables, bits, and welding gases.

19.RMA will allow use engine/transmission dynamometers and other depot plant equipment, as required at the TVRF.

20.Proof firing of the overhauled 105MM guns will be conducted by the RMA.

21.The RMA will provide qualified interpreters, as required by GDLS CSSC to communicate with any non-English speaking RMA personnel.

22.The RMA will provide metrology lab support to calibrate tools and equipment and establish a calibration recall system for TMDE used to accomplish operations covered by this case.

23.RMA will provide Petroleum, Oil and Lubricant (POL) products and other expendable/consumables provided to support overhaul production operations and will meet specifications required in the appropriate technical manuals and DMWRs.

24.Tools and equipment that were assumed to be provided by the RMA (Attachment 002) and therefore not purchased under the case will be provided in a serviceable condition. Items that are listed in the attachment but not available through the RMA will be included when the contract is modified to add a subsequent increment or the contract will be modified to include procurement on the current increment.

25.The overhaul standard is to Inspect and Repair only as Necessary (IROAN). This means that only non-serviceable items (as defined by DMWRs) will be repaired or replaced.

26.Maintenance and repairs to be conducted are to the depot overhaul standard, which means that the repaired item is returned to a serviceable condition. This is not a rebuild standard which is not economically feasible for this case.

27.RMA will provide material support to the training activity in accordance with the materials required by the Training and Evaluation Outlines (T&EO) included at C.7.3.

28.3M48A5/M60A1 Overhaul Parts: The Overhaul parts were assembled based on overhaul factors obtained from Anniston Army Depot. The overhaul factors are based on actual consumption criteria experienced by ANAD and they include all mandatory replacement items called for in the DMWR.

29. Contractor is authorized rent-free noninterference use of facilities, tools, and equipment and utilities at the Morocco Tracked Vehicle Repair Facility during site visits under this contract.

30. IAW Note 11 to LOA MO-B-URJ the costs of this contract are predicated on the assumption that the purchaser (Government of Morocco) will not assess, or permit the assessment of any taxes, tariffs, levies or charges by the purchaser or any of its political subdivision, national or legal, of any kind whatsoever, including but not limited to, any type of property tax or charge, income tax or charge, intangible taxes or charges, automobile taxes or charges, consumption tax or charge, excise tax or charge, an ad valorem tax or charge, duties or imports, as a resuplt of U.S. Government and contractor personnel entering and being present in the country and in the performance of duty. Said exemption shall include but not be limited to material equipment, supplies, household goods, automobiles, and any other type of personal property imported into the country. In the event any of the above are assessed and paid by the contractor, the purchaser agrees to hold the person harmless by reimbursing the contractor in an amount equal to said payments upon the written request of the contractor.

31. The construction costs for adapting the Morocco TVRF dynamometer room are not included in this contract. RMA will perform or contract that action separately.

32. If funds available in a specific increment to procure specified plant equipment and/or repair parts are inadequate to meet all projected requirements, equipment and parts will be identified for procurement in subsequent increments as funds become available.

33. Machinist skills required to reclaim parts under appropriate DMWR's will be determined based upon production requirements based on preshop analysis and the machines available in Morocco. Skills to be trained will be determined following this analysis, thus the 1790 machinist skills will be trained during the 4th increment rather than the 3d increment.

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SECTION F - DELIVERIES OR PERFORMANCE
F-8 QUANTITY VARIATION

The material delivered under CLIN 0001AB of this contract shall be delivered as one lot, defined by Attachment 1, AVDS Plant Equipment Bill of Material. The Attachment lists numerous parts. The quantity delivered of each part listed in the Attachment shall be at least the quantity listed therein. The Contractor may deliver more than the listed quantity if done at no change in contract price.

F-9 DELIVERY SCHEDULE

F-9.1 Delivery for SubCLIN 0001AB is due 31 May 2001.

F-9.2 Repair or determination of nonrepairability and proposed replacement cost for the four items at C.2.3.1.2 is due 28 Feb 2001.

F-9.3 Delivery of report from Dynamometer room site survey, SubCLIN 0003AA, is due 31 Dec 2001. Report will be in contractor's format. Contractor shall deliver one copy to the PCO.

F-9.4 Period of performance for SubCLIN 0003AB shall begin upon effective date of modification P00004 and end 31 Dec 2001.

F-9.5 Period of performance for SubCLIN 0003AC shall begin upon effective date of modification P00004 and end 31 Dec 2001.

F-9.6 Delivery for SubCLIN 0001AC is due 30 April 2004. Early delivery and incremental deliveries are acceptable at no additional cost to the government. Quantities shall be IAW attachment 003.

F-9.7 Period of performance for SubCLIN 0003AD shall be from 1 Jan 2002 through 31 Jan 2002.

F-9.8 Period of performance for SubCLIN 0003AE shall be from 1 Feb 2002 through 30 Jun 2002.

F-9.9 Period of performance for SubCLIN 0003AF shall be from 1 Jul 2002 through 31 Dec 2002.

F-9.10 The material under SubCLIN 0001AD shall be delivered no later than 31 May 2003. Early delivery and incremental deliveries are acceptable at no additional cost to the government. Quantities shall be IAW attachment 006.

F-9.11 The material under SubCLIN 0001AE shall be delivered no later than 31 May 2003. Early delivery and incremental deliveries are acceptable at no additional cost to the government. Quantities shall be IAW attachment 007.

F-9.12 Period of performance for SubCLIN 0003AG shall be for one week between 1 June 2002 and 31 December 2002.

F-9.13 Period of performance for SubCLIN 0003AH shall be for one week between 1 November 2002 and 31 December 2002.

F-9.14 The material under SubCLIN 0001AF shall be delivered no later than 31 December 2002. Early delivery and incremental deliveries are acceptable at no additional cost to the government. Quantities shall be IAW attachment 008.

F-9.15 Period of performance for SubCLIN 0004AA shall be from 1 Jan 2003 through 31 Mar 2003.

F-9.16 The material under SubCLIN 0001AG shall be delivered no later than 31 January 2003. Early delivery and incremental deliveries are acceptable at no additional cost to the government. Quantities shall be IAW attachment 009.

F-9.17 Period of performance for SubCLIN 0004AB shall be from 1 April 2003 through 31 December 2003.

*** END OF NARRATIVE F 001 ***

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SECTION G - CONTRACT ADMINISTRATION DATA

LINE	PRON/		OBLG STAT/			INCREASE/DECREASE		CUMULATIVE
<u>ITEM</u>	<u>AMS CD</u>	<u>ACRN</u>	<u>JOB ORD NO</u>		<u>PRIOR AMOUNT</u>	<u>AMOUNT</u>		<u>AMOUNT</u>
0004AB	J517G937EH	AD	1	\$	0.00	\$	3,449,610.00	\$ 3,449,610.00
	URJ002		1ATJYG					
					NET CHANGE	\$	3,449,610.00	

SERVICE	NET CHANGE		ACCOUNTING	INCREASE/DECREASE
<u>NAME</u>	<u>BY ACRN</u>	<u>ACCOUNTING CLASSIFICATION</u>	<u>STATION</u>	<u>AMOUNT</u>
Army	AD	9711 X8242MOO1X6D1000URJ 002252GMOS20113	W56HZV	\$ 3,449,610.00
NET CHANGE				\$ 3,449,610.00

		<u>PRIOR AMOUNT</u>		<u>INCREASE/DECREASE</u>		<u>CUMULATIVE</u>
		<u>OF AWARD</u>		<u>AMOUNT</u>		<u>OBLIG AMT</u>
NET CHANGE FOR AWARD:	\$	13,170,042.00	\$	3,449,610.00	\$	16,619,652.00
G-2 ESTIMATED COST, FEE AND PAYMENT						

G-2.1 The estimated cost for performance of work under cost reimbursable CLIN 0002AB under this contract is set forth in Section B. In consideration of performance of the work specified, the Government will pay the Contractor the estimated cost amount shown opposite the CLIN. The amount shown shall constitute the estimated cost for the purpose of the contract clause entitled "limitation of Cost," FAR 52.232-20 but neither the Government nor the contractor guarantee the accuracy of said estimate.

G-2.2 The Contractor will be paid the fixed fee stated in Section B opposite CLIN 0002AB for the performance of work under cost reimbursable CLINs under the contract and in accordance with the terms of the contract clause entitled "Fixed Fee," FAR 52.216-8. The fixed fee together with the reimbursement of cost shall constitute full and complete consideration for the Contractor's services in connection with the work required and performed under this contract's cost reimbursable CLIN 0002AB.

G-2.3 Allowable costs shall be determined and payment thereof, shall be provided in accordance with the contract clause hereof entitled "Allowable cost and Payment," FAR 52.216-7, under this contract.

G-3 PAYMENT

G-3.1 Payment for the material under all Sublines under CLIN 0001 shall be made upon acceptance in accordance with paragraph E-8 and upon approval of a DD form 250 by the U.S. Government.

G-3.2 The Contractor may submit public vouchers monthly for payment under cost reimbursable CLINs under this contract. The fee will be payable at the time of reimbursement of cost at the same rate to such cost as the total fee of this contract bears to the total estimated cost thereof, subject to any withholding pursuant to provisions of this contract.

G-3.3 Contractor may bill for SubCLIN 0003AA upon delivery of report to the U.S. Government.

G.3.4 Contractor may bill for start-up SubCLIN 0003AB upon effective date of modification P00004.

G.3.5 Billing Schedule for SubCLIN 0003AC

<u>Month</u>	<u>Amount</u>
Jun 01	\$137,641
Jul 01	\$137,641
Aug 01	\$137,641
Sep 01	\$137,641
Oct 01	\$137,641
Nov 01	\$137,642
Dec 01	\$137,642

SubCLIN 0003AC is complete upon final billing of labor as specified in G.3.5.

G.3.6 Billing Schedule for SubCLIN 0003AD

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Name of Offeror or Contractor: GENERAL DYNAMICS LAND SYSTEMS

Month	Amount
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Jan 02	\$405,033
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SubCLIN 0003AD is complete upon final acceptance IAW E.9.

G.3.7 Billing Schedule for SubCLIN 0003AE

<u>Month</u>	<u>Amount</u>
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Feb 02	\$1,305,033
Mar 02	\$ 315,033
Apr 02	\$ 315,033
May 02	\$ 315,033
Jun 02	\$ 315,033

SubCLIN 0003AE is complete upon final acceptance IAW E.9.

G.3.8 Billing Schedule for SubCLIN 0003AF

Jul 02	\$ 315,033
Aug 02	\$ 315,033
Sep 02	\$ 315,033
Oct 02	\$ 315,033
Nov 02	\$ 315,033
Dec 02	\$ 70,715

SubCLIN 0003AF is complete upon final acceptance IAW E.9.

G.3.9 Billing Schedule for SubCLIN 0004AA

Jan 03	\$ 268,303
Feb 03	\$ 268,303
Mar 03	\$ 268,303

SubCLIN 0004AA is complete upon final acceptance IAW E.9.

G.3.10 Billing Schedule for SubCLIN 0004AB

<u>Apr 03</u>	<u>\$ 383,290</u>
<u>May 03</u>	<u>\$ 383,290</u>
<u>Jun 03</u>	<u>\$ 383,290</u>
<u>Jul 03</u>	<u>\$ 383,290</u>
<u>Aug 03</u>	<u>\$ 383,290</u>
<u>Sep 03</u>	<u>\$ 383,290</u>
<u>Oct 03</u>	<u>\$ 383,290</u>
<u>Nov 03</u>	<u>\$ 383,290</u>
<u>Dec 03</u>	<u>\$ 383,290</u>

SubCLIN 0004AB is complete upon final acceptance IAW E.9

*** END OF NARRATIVE G 001 ***

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Name of Offeror or Contractor: GENERAL DYNAMICS LAND SYSTEMS			

SECTION J - LIST OF ATTACHMENTS

List of Addenda	Title	Date	Number of Pages	Transmitted By
Attachment 006	6V53 ENGINE PLANT EQUIPMENT		003	
Attachment 008	1790 MANDATORY REPLACEMENT PARTS		001	

6V53 EQUIPMENT

	NSN / PN	DESCRIPTION	QTY
1	6635-01-093-3710	TENSIONMETER	1
2	4910-00-646-6893	BEAM-TYPE SLING	1
3	5120-00-402-9629	MANOMETER	1
4	4720-00-271-9839	NONMETTALIC TUBING	200 ft
5	4910-00-019-5241	ADAPTER, CYL. COMPRESSION	1
6	4910-00-870-6283	CYL. COMPRESSION TESTER	1
7	4910-00-456-7620	HEAD LIFT FIXTURE	1
8	4910-00-591-6634	CYL. HEAD GUIDE STUDS	1
9	4910-00-722-3877	FLYWHEEL LIFT HOOK	1
10	4910-00-918-0583	ADAPTER, VALVE SPRING	1
11	5120-00-733-8888	VALVE SPRING COMPRESSOR	1
12	5220-00-176-0638	VALVE LASH FEELER GAGE SET	1
13	5120-00-219-8400	VALVE SPRING REMOVER	1
14	5210-01-245-9564	THICKNESS GAGE SET	1
15	5120-00-740-3347	INJ. TUBE WRENCH	1
16	5220-00-387-9581	INJ. TIMING GAGE	1
17	6685-00-525-8109	FUEL SYS. PRESSURE GAGE	1
18	5120-01-147-7923	FUEL NUT WRENCH	1
19	5120-00-538-8465	THROTTLE DELAY GAGE	1
20	5120-00-494-1843	PUSHROD REMOVER	1
21	5180-00-219-8407	FUEL PUMP TOOL SET	1
22	5120-00-808-5230	RETAINING NUT WRENCH	1
23	5210-01-048-7085	THICKNESS GAGE BLADE	1
24	5180-01-025-8062	TACH. ALIGN TOOL	1
25	5120-00-937-6139	IMPELLOR REMOVER	1
26	5120-00-363-7572	BEARING & BUSH INSERTER	1
27	3940-00-977-7398	SLING	1
28	5120-00-977-5578	SEAL INSTALLER HANDLE	1
29	5120-00-116-3652	THERMOSTAT SEAL INSTALLER	1
30	5120-00-127-7831	TACH DRIVE REMOVER ADAPTER	1
31	5210-01-373-9397	SCREW GAGE	1
32	5340-01-006-4589	BRACKET (4)	16
33		deleted	
34		deleted	
35	4930-00-545-8639	DRAIN UNIT	4
36	5210-00-494-1738	MIC. BALL ATTACHMENT	1
37	5120-00-740-3345	3 LEG PULLER	1
38	5180-00-338-6721	PULLER KIT	1
39	5120-00-591-6631	VALVE SEAT TOOL KIT	1
40	5120-01-166-5167	VALVE GUIDE INSTALLER	1
41	5180-01-167-8073	CAM BEARING REMOVER KIT	1
42	4910-00-591-6632	VALVE GUIDE REMOVER	1
43	4910-00-603-8925	VALVE SEAT INSTALLER	1
44	5120-00-711-1920	TUBE FLARING TOOL	1
45	5110-00-785-1016	REAMER	1
46	5110-01-048-2199	REAMER	1
47	5120-00-785-1017	TUBE TIP REFINISHER	1
48	5110-00-019-5240	REAMER	1
49	5110-00-294-4606	REAMER	1
50	4940-00-711-1919	PILOT INSTALLER	1
51	4940-00-711-1918	INJ. TUBE INSTALLER	1
52	5120-00-808-5209	OIL SEAL EXPANDER	1
53	5180-00-999-4053	PULLER KIT	1
54	4910-00-736-1371	CRANK GEAR INSTALLER	1
55	4910-00-779-6392	CRANK PULLEY INSTALLER	1
56	5120-00-169-5806	RR. CRANK OIL SEAL INSTALLER	1
57	5120-00-808-5082	SEAL INSTALLER HANDLE	1
58	5120-00-872-6015	FLYWHEEL HSG. STUDS	1
59	5210-00-937-7284	FLYWHEEL HSG. GAGE	1
60	5120-00-918-0587	RR OIL SEAL EXPANDER	1
61	5120-00-936-4377	FR. CRANK OIL SEAL INSTALLER	1

62	J 1902-B	PULLER	1
63	J 21793-B	CYL. HOLD DOWN CLAMP	1
64	5210-00-023-4798	DEPTH GAGE	1
65	5120-00-937-6140	CYL. LINER REMOVER	1
66	6685-01-061-4253	VACUUM GAGE TESTER	1
67	5120-00-733-8874	PIN RETAINER INSTALLER	1
68	5210-01-070-4543	CYL. LINER GAGE	1
69	5120-00-367-7378	SETTING MASTER, DIAL BORE GAGE	1
70	5210-00-116-1631	LINER THICKNESS GAGE SET	1
71	5130-00-629-9782	CYL. HONING KIT	1
72	5130-01-216-7809	80 GRIT STONE	2
73	5130-00-937-7280	120 GRIT STONE	2
74	5130-01-216-7294	320 GRIT STONE	2
75	5130-01-216-7295	220 GRIT STONE	2
76	5120-01-406-4702	RING COMPRESSOR	1
77	5120-00-494-1846	PISTON RING PLIERS	1
78	4910-00-779-7225	RING GAGE	1
79	5120-01-026-0306	CAMSHAFT INSTALLER	1
80	4910-01-158-3981	CAM REMOVER PLATE	1
81	4910-00-591-6640	FR. OIL SEAL EXPANDER	1
82	5120-00-254-5049	VALVE SPRING COMPRESSOR	1
83	5120-00-937-6143	FR. COVER SEAL INSTALLER	1
84	5120-00-808-5083	OIL SEAL INSTALLER	1
85	5120-01-169-5300	TORQUE ADAPTER	1
86	4910-00-169-5805	OIL PUMP GEAR INSTALLER	1
87	5110-00-937-7628	INJ. BODY REAMER	1
88	3460-00-937-5521	LAPPING BLOCK SET	1
89	5130-00-937-7281	BRASS BRUSH	1
90	5220-01-167-4281	INJ. PROTRUSION GAGE	1
91	5120-01-170-4924	SEAL INSERTER	1
92	5120-00-937-7285	NEEDLE VALVE HEIGHT GAGE	1
93	5220-01-061-4248	INJ. HOLD FIXTURE	1
94	5210-00-990-3327	INJ. TIP & CONCENTRICITY GAGE	1
95	4910-00-255-8641	DIESEL FUEL TESTER	1
96	65-928B	INJ. TEST FIXTURE	1
97	4910-00-764-5626	NEEDLE VALVE ADAPTER	1
98	5120-00-591-6631	VALVE SEAT TOOL KIT	1
99	5180-01-038-0251	INJ. TOOL KIT	1
100	5180-01-035-1314	BLOWER TOOL KIT	1
101	4910-00-591-6633	BLOWER INSTALLING TOOL	1
102	4910-00-779-6078	GOV. COVER BEARING INSTALLER	1
103	5120-01-145-4490	GOV. COVER BUSHING REMOVER	1
104	4910-00-779-7308	GOV. WEIGHT SPACER	1
105	4910-00-779-7315	GOV. COVER BEARING REMOVER	1
106	4910-00-254-5018	GRINDER ADAPTER KIT	1
107	2815-00-705-9278	CAM FOLLOW FIXTURE	1
108	4910-00-779-7103	VALVE SEAT DIAL GAGE	1
109	5210-00-402-9619	MAG BASE DIAL INDICATOR	1
110	5120-01-297-2374	CRANK PLUG INSTALLER	1
111	5120-00-937-7266	PULLER SET	1
112	5120-00-808-5082	DRIVER HANDLE	1
113	5210-01-397-3008	FILLET GAGE	1
114	4910-01-143-4362	DIESEL INJECTOR TEST SET	1
115	J3154-2	HOLDING SCREW	1
116	5120-00-808-5035	OIL SEAL SLEEVE INSTALLER	1
117	J33850	TURNOVER STAND ADAPTER PLATE	2
118	J29109	TURNOVER STAND	2
119	5120-00-316-9170	ADAPTER, 3/8-16	1
120	21-200-0018	CALIPERS, 0-6 INCH	1
121	n/a	CAPS, VISE JAW	1
122	5120-00-870-6283	CLEANER, PISTON RING GROOVE	1
123	5120-00-293-1905	DIE SET, HAND METAL STAMPING	1
124	5210-00-619-4045	GAGE SET, DEPTH, MICROMETER	1

125	5210-00-473-9350	GAGE SET, TELESCOPING	1
126	5210-00-517-8097	GAGE, TIRE PRESSURE	1
127	4910-00-473-6437	GRINDING KIT, VALVE SEAT	1
128	MD3-42400-M	DIAL INDICATOR	1
129	5210-00-554-7134	MICROMETER SET	1
130	5120-00-293-1429	PULLER, MECHANICAL	1
131	5110-00-237-8598	REAMER, CYLINDER RIDGE	1
132	89-710-0078	CUTTER BIT, RIDGE REAMER REPLACEMENT	2
133	6675-00-224-8807	STRAIGHTEDGE	1
134	5180-00-317-8263	THREADING SET, SCREW	1
135	5120-00-293-1439	WISE, MACHINIST	1
136	3460-00-725-5076	V-BLOCK	1
137	BSMKPS	Power Supply, 220VAC to 12VDC, 35A	1

1790 MANDATORY REPLACEMENT PARTS

NOMENCLATURE	NSN / PN	Qty
1 PLUG, PIPE	4730-00-044-4715	100
2 WASHER, KEY	5310-00-159-6495	25
3 PACKING, PREFORMED	5330-00-167-5114	104
4 HOSE, AIR DUCT	4720-00-177-6186	25
5 RING, RETAINING	5325-00-202-0194	600
6 FILTER ELEMENT, FLUID	2910-00-203-3322	3
7 WASHER, KEY	5310-00-239-5848	50
8 PACKING, PREFORMED	5331-00-248-3836	25
9 GROMMET, NONMETALLIC	5325-00-276-6096	300
10 SLEEVE, INTERCYLINDER CAMSHAFT	2815-00-394-9719	250
11 PLUG, EXPANSION	5340-00-490-0872	125
12 HOSE, AIR DUCT	4720-00-896-6165	50
13 HOSE, AIR DUCT	4720-00-896-6166	100
14 LEAD, ELECTRICAL: starter ground	6150-01-008-1440	50
15 LEAD, ELECTRICAL	6150-01-008-1441	50
16 HOSE, AIR DUCT	4720-01-095-2429	50
17 PLUG, PIPE	4730-01-132-1422	100
18 HOSE, NON-METALLIC	4720-01-146-1887	50
19 HOSE, AIR DUCT	4720-01-146-1888	50
20 PLUG, PIPE	4730-01-094-5168	200
21 TUBE ASSEMBLY	10865122	25
22 TUBE ASSEMBLY	10882777	25
23 FILTER ELEMENT, FLUID	2910-01-434-5203	25
24 TUBING, NONMETALLIC	8395419-3	25
25 RUBBER SHEET, CELLULAR	9320-00-009-0213	13
26 HOSE, NONMETALLIC	4720-00-278-1110	25
27 HOSE, NONMETALLIC	4720-00-278-1112	25
28 HOSE, NONMETALLIC	4720-00-278-1113	25
29 WIRE, NON-ELECTRICAL	9525-00-355-6072	23
30 WIRE, NON-ELECTRICAL	9525-00-990-7799	13
31 RUBBER SHEET, CELLULAR	9320-01-014-8683	13
32 PISTON RING SET STANDARD	2815-00-410-1211	300
32a RING, PISTON - BOTTOM GROOVE	11668315	300
32b RING, PISTON	11668316	600
32c RING, PISTON - TOP GROOVE	11668317	300
33 GASKET AND PREFORMED PACKING SET	5330-01-026-9498	19
34 PARTS KIT,FLUID PRESSURE FILTER	4330-00-801-1152	7
35 PARTS KIT,VALVE	4820-01-070-5945	25
36 PACKING MATERIAL:	7616751	44
37 WIRE,NON-ELECTRICAL	9505-00-684-4736	25
38 RING, RETAINING	5325-00-801-2500	25
39 FILTER ELEMENT,FLUID	2940-00-808-2421	25

Engine subassemblies

40 PARTS KIT,ELECTRICAL ENGINE STARTER	2920-00-089-3367	25
41 PARTS KIT,ELECTRICAL ENGINE STARTER	2920-00-089-3369	25
42 PARTS KIT,ELECTRICAL ENGINE STARTER	2920-00-089-3370	25
43 PARTS KIT,ELECTRICAL ENGINE STARTER	2920-00-226-1592	25
44 PARTS KIT,ELECTRICAL ENGINE STARTER	2920-01-138-4860	25
45 PARTS KIT,ELECTRICAL ENGINE STARTER	2920-01-201-8002	25
46 PARTS KIT,ELECTRICAL ENGINE STARTER	2920-01-138-4859	25
47 GASKET AND PREFORMED PACKING SET	5330-01-026-3205	25
48 PARTS KIT,TERMINAL,ENGINE IGNITION	2920-01-023-7843	25
49 GASKET AND PREFORMED PACKING SET	5330-00-786-5239	1
50 PARTS KIT,METERING AND DISTRIBUTING FUEL PUMP	2910-00-221-4809	25
51 SHIM SET	5365-00-786-5238	25
52 PARTS KIT,FLUID PRESSURE FILTER	4330-00-134-4733	25
53 PARTS KIT,METERING AND DISTRIBUTING FUEL PUMP	2910-00-407-2618	25

54	PARTS KIT,FUEL INJECTOR,DIESEL ENGINE	2910-01-043-8182	25
55	PARTS KIT,FUEL INJECTOR,DIESEL ENGINE	2910-01-050-2520	25
56	PARTS KIT,SUPERCHARGER	2910-01-152-2373	50